

ABSTRACT OF THE DISCLOSURE

5 A discharge device is described that contains an anode, a cathode, and an insulating layer disposed between the anode and the cathode. A cavity is extends entirely through at least one of the anode or cathode and penetrates the dielectric layer. At least one of the anode or cathode may include a screen or the dielectric layer may have a plurality of films with at least two different dielectric constants. The voltage differences between the anode and cathode in each of multiple devices electrically connected together may be limited.